

JP 59045107

Patent 1 of 1



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Patents Cited by Inventor: 0  
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Patent Number(s):  
JP59045107-A

**Title:**

Polyester particles storage treatment - involves heated with satd. or superheated steam, to prevent water absorption during storage

Patent Assignee Name(s) and Code(s):  
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Derwent Primary Accession Number:  
1984-098660 [16]

**Abstract:**

The polyester particles comprise principle repeating units of alkylene terephthalate. As soon as the particulate polyester is formed from its polymer, its surface layer, at least, is crystallised. The crystallised surface layer prevents the polyester from having increased water content on storage and after drying just before melting.

The polyester pref. comprises ethylene terephthalate repeating units and has 10 mol.% or less of the tert. component (such as dibasic acid, oxyacid, glycol). It may contain 10 wt.% or less of other polymer, fire-retardant, colour stabiliser, etc.

In order to crystallise the surface layer (pref. 20 microns or more), the particulate polyester (in the form of chips, pellets, flake, or powder) is treated with heated steam (satd. or superheated) at 110 deg. C or higher (pref. 120-200 deg. C in the case of the latter steam).

**International Patent Classification:**

B29B-001/00; B29B-003/04

**Derwent Class:**

A23 (Polyamides, polyesters, polycarbonates, alkyds)

**Derwent Manual Code(s):**

A05-E04D; A11-A; A11-B02; A12-S09

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